

# Vermont Fire Danger Report

Thursday, May 26, 2016

## Observations

Sta	WX	Tmp	RH	Dir	WS	TMx	TmMn	RHMx	RHMn	Dur	Amt
NUL	2	79	22	273	5	79	48	100	20	0	0
ESS	2	79	40	281	3	84	53	95	35	0	0
ELM	2	78	36	338	3	81	51	99	34	0	0
DAN	2	86	37	305	4	86	49	100	30	0	0
WOOD	2	79	42	302	3	79	52	98	27	1	0.01

## NFDR Index - Fuel Model 88E - hardwood leaf litter (dead and live fuels)

Sta	WS	WDY	HRB	1H	10hr	100H	1000H	IC	SC	EC	BI	SL	R	KBDI
NUL	5	107	140	4	6	14	20	23	3	19	21	3	M	91
ESS	3	111	102	7	8	12	17	10	2	16	13	2	L	123
ELM	3	109	132	6	8	13	19	11	2	16	14	2	L	83
DAN	4	124	121	8	8	15	19	6	1	13	9	1	L	59
WOOD	3	126	148	7	9	15	22	9	1	14	12	2	L	52

## NFDR Index - Fuel Model 78E - hardwood leaf litter (dead fuels only)

Sta	WS	WDY	HRB	1H	10hr	100H	1000H	IC	SC	EC	BI	SL	R	KBDI
NUL	5	70	4	4	6	14	20	37	8	26	35	4	H	91
ESS	3	70	7	7	8	12	17	16	4	21	23	3	M	123
ELM	3	70	6	6	8	13	19	18	4	22	24	4	M	83
DAN	4	70	6	6	8	15	19	20	5	21	26	3	M	59
WOOD	3	70	7	7	9	15	22	15	4	20	22	3	M	52

As spring fire season is coming to an end, I wanted to show you the difference that greening makes in determining the level of fire danger. Based on the same observations, the dead fuel moisture values are the same or nearly the same in both fuel models (1hr, 10hr, 100hr, 1000hr) but the live fuels (WDY, HRB) are drastically different. As fuels green up, the live fuel number climbs to a max of 200 for WDY and 250 for HRB. Because of the influence of greenup, the fire danger indicators especially ignition component (IC) and burning index (BI) are very different. The IC and the BI make up the fire danger adjective, so the higher these numbers are the higher the fire danger.

So, based on the above, the fire danger today is generally LOW except in locations like the northern northeast kingdom and higher elevations where there is still a larger component of dead fuels which given this hot and dry day, fire danger is MODERATE or even HIGH.

Since greenup is well advanced in most of the state except for the highest elevations and northern NEK, fire danger is likely to remain LOW through the upcoming holiday weekend.



[Six Minutes for Safety: An interagency safety initiative that address high-risk situations that historically get firefighters in trouble.](#)

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[Column definitions for Vermont Fire Danger Report](#)

